L Number	Hits	Search Text	DB	Time stamp
1	1235	aluminum with (anodic anode) with coat\$3	USPAT	2003/10/28 14:56
2	9	(aluminum with (anodic anode) with coat\$3) and (118/723\$.ccls. 156/345\$.ccls.)	USPAT	2003/10/28 14:36 2003/10/28 15:51
3	55	spherical and (118/500.ccls.)	USPAT	2003/10/28 15:51
4	352	(tumbling rotatable basket cage tumbler casing) and (118/500.ccls.)	USPAT	2003/10/28 15:59
_	8907	golf adj ball\$2	USPAT	2003/10/27 14:28
-	1	(golf adj ball\$2) and (118/723\$.ccls.	USPAT	2003/10/28 14:56
_	132	•	USPAT	2003/10/27 17:34
_	1	((golf adj ball\$2) and (118/723\$.ccls. 156/345\$.ccls.)) and (revolv\$3 rotat\$3	USPAT	2003/10/27 13:53
_	9977	drum revolution) golf adj ball\$2	JPO; DERWENT	2003/10/27 13:54
-	766252	h011021\$.ipc. c23c016\$.ipc.	JPO; DERWENT	2003/10/27 13:54
_	5	(golf adj ball\$2) and (h011021\$.ipc. c23c016\$.ipc.)	JPO; DERWENT	2003/10/27 13:56
-	2	("4410586" "4504349").PN.	USPAT	2003/10/27 14:00
_	46110	(spherical near4 (object\$2 ball\$2 surface\$2))	USPAT	2003/10/27 14:13
_	70	((spherical near4 (object\$2 ball\$2 surface\$2))) and (118/723\$.ccls. 156/345\$.ccls.)	USPAT	2003/10/27 14:46
_	4880	(spherical near4 (substrate device))	USPAT	2003/10/27 14:15
-	2490	((spherical near4 (substrate device))) not ((spherical near4 (object\$2 ball\$2 surface\$2)))	USPAT	2003/10/27 14:15
_	8	(((spherical near4 (substrate device))) not ((spherical near4 (object\$2 ball\$2 surface\$2)))) and (118/723\$.ccls.	USPAT	2003/10/27 14:19
		156/345\$.ccls.)		
	12587	(spherical with (substrate device))	USPAT	2003/10/27 14:15
-	6725	((spherical with (substrate device))) not ((spherical near4 (object\$2 ball\$2 surface\$2)))	USPAT	2003/10/27 14:15
	4235	<pre>(((spherical with (substrate device))) not ((spherical near4 (object\$2 ball\$2 surface\$2)))) not ((spherical near4 (substrate device))) not ((spherical near4 (object\$2 ball\$2 surface\$2))))</pre>	USPAT	2003/10/27 14:16
_	16	((((spherical with (substrate device))) not ((spherical near4 (object\$2 ball\$2 surface\$2)))) not (((spherical near4 (substrate device))) not ((spherical near4 (object\$2 ball\$2 surface\$2))))) and (118/723\$.ccls. 156/345\$.ccls.)	USPAT	2003/10/27 14:16
-	8351	tumbler\$2	USPAT	2003/10/27 14:20
-	4694	tumbler\$2	JPO; DERWENT	2003/10/27 14:20
~	. 27	(golf adj ball\$2) and tumbler\$2	USPAT	2003/10/27 14:28
-	2344	(golf adj ball\$2).ti.	USPAT	2003/10/27 14:32
-	144	((golf adj ball\$2) with apparatus).ti.	USPAT	2003/10/27 14:45
-	14	4613403.URPN.	USPAT	2003/10/27 14:35
	55 7 3	(118/723r).CCLS.	USPAT	2003/10/27 14:45
-	3 .	tumbler\$2 and (118/723\$.ccls. 156/345\$.ccls.)	USPAT	2003/10/27 15:13
_	1344	(118/730).CCLS.	USPAT; EPO; JPO	2003/10/27 14:53
-	54	(156/345.55).CCLS.	USPAT; EPO; JPO	2003/10/27 14:53
_	161	(118/716).CCLS.	USPAT; EPO; JPO	2003/10/28 10:22
_	572	(tumbling rotatable) and (118/723\$.ccls. 156/345\$.ccls.)	USPAT	2003/10/27 15:35
_	9	(tumbling) and (118/723\$.ccls. 156/345\$.ccls.)	USPAT	2003/10/27 15:27
_	134	(casing) and (118/723\$.ccls. 156/345\$.ccls.)	USPAT	2003/10/27 15:16

_				
1	93	(cage) and (118/723\$.ccls. 156/345\$.ccls.)	USPAT	2003/10/27 15:23
-	128	((casing) and (118/723\$.ccls.	USPAT	2003/10/27 15:23
ì		156/345\$.ccls.)) not ((cage) and		,
		(118/723\$.ccls. 156/345\$.ccls.))		
1	36		USPAT	2003/10/27 17:43
	30	(basket) and (118/723\$.ccls.	USPAI	2003/10/2/ 17:43
		156/345\$.ccls.)		
-	1	brum-william\$.in.	USPAT	2003/10/27 15:32
-	5	("3933967" "4389365" "5112556"	USPAT	2003/10/27 15:33
		"5840351" "6439873").PN.		
_	7248	(tumbling rotatable basket cage tumbler	USPAT	2003/10/28 15:59
	İ	casing) and (425/\$.ccls.)		
_	20	((tumbling rotatable basket cage tumbler	USPAT	2003/10/27 16:26
		casing) and (425/\$.ccls.)) and golf	002111	2003/10/2: 10:20
	100		ttonam.	2002/10/27 16-24
-	100	takahashi-minoru\$.in.	USPAT	2003/10/27 16:34
-	4	oyachi-tomio\$.in.	USPAT	2003/10/27 16:34
-	3	izuhara-koichi\$.in.	USPAT	2003/10/27 16:34
-	14	akiyama-setsuo\$.in.	USPAT	2003/10/27 16:33
_	55	yoshikawa-masato\$.in.	USPAT	2003/10/27 16:33
_	99	takahashi-minoru\$.in. not	USPAT	2003/10/27 16:33
		voshikawa-masato\$.in.	00222	2000, 20, 21
_	222	yoshikawa-masato\$.in.	JPO	2003/10/27 16:33
1_				
1 -	59	akiyama-setsuo\$.in.	JPO	2003/10/27 16:33
_	1223	·	JPO	2003/10/27 16:34
-	27	oyachi-tomio\$.in.	JPO	2003/10/27 16:36
-	1547	yoshikawa-masato\$.in. akiyama-setsuo\$.in.	JPO	2003/10/27 16:37
1		izuhara-koichi\$.in. oyachi-tomio\$.in.		
1		takahashi-minoru\$.in.		
_	3	(yoshikawa-masato\$.in. akiyama-setsuo\$.in.	JPO	2003/10/27 16:39
		izuhara-koichi\$.in. oyachi-tomio\$.in.	010	2003/10/2/10:33
		takahashi-minoru\$.in.) and (golf adj		
1		bal1\$2)		
_	24	izuhara-koichi\$.in.	JPO	2003/10/27 16:37
	185	(yoshikawa-masato\$.in. akiyama-setsuo\$.in.	JPO	2003/10/27 16:40
		izuhara-koichi\$.in. oyachi-tomio\$.in.		
		takahashi-minoru\$.in.) and (cage basket		+
	İ	casing tumbling tumbler rotat\$4 revolv\$3		
	1.7	revolution spin\$4 drum)	700	0000/10/07 16 41
-	17	(yoshikawa-masato\$.in. akiyama-setsuo\$.in.	JPO	2003/10/27 16:41
		izuhara-koichi\$.in. oyachi-tomio\$.in.		
1		takahashi-minoru\$.in.) and (cage basket		
		casing tumbling tumbler)		
_	168	((yoshikawa-masato\$.in.	JPO	2003/10/27 16:41
		akiyama-setsuo\$.in. izuhara-koichi\$.in.		
		oyachi-tomio\$.in. takahashi-minoru\$.in.)		
		and (cage basket casing tumbling tumbler		
		rotat\$4 revolv\$3 revolution spin\$4 drum))	1	
		not ((yoshikawa-masato\$.in.		
		akiyama-setsuo\$.in. izuhara-koichi\$.in.		
		oyachi-tomio\$.in. takahashi-minoru\$.in.)	1	
		and (cage basket casing tumbling tumbler))		
_	31	((118/716).CCLS.) and hole\$2	USPAT;	2003/10/27 17:30
			EPO; JPO]
_	3	(("5236548") or ("5286532") or	USPAT;	2003/10/27 17:32
				2000/10/2/ 1/.32
	_	("6120394")).PN.	EPO; JPO	1 2002 (10 (27 17 22
-	2	(("5842916") or ("3187715")).PN.	USPAT;	2003/10/27 17:33
1			EPO; JPO	
1				1 00000 (40 (00 40 00)
_	22930	bridgestone.as.	USPAT;	2003/10/27 17:33
_	22930	bridgestone.as.		2003/10/2/ 1/:33
		•	EPO; JPO	
_	22930 1311	<pre>bridgestone.as. bridgestone.as. and golf</pre>	EPO; JPO USPAT;	2003/10/27 17:33
-	1311	bridgestone.as. and golf	EPO; JPO USPAT; EPO; JPO	2003/10/27 17:33
-		•	EPO; JPO USPAT; EPO; JPO USPAT;	
-	1311 974	bridgestone.as. and golf bridgestone.as. and (golf adj ball)	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO	2003/10/27 17:33 2003/10/27 17:34
-	1311	bridgestone.as. and golf bridgestone.as. and (golf adj ball) (bridgestone.as. and (golf adj ball)) and	EPO; JPO USPAT; EPO; JPO USPAT;	2003/10/27 17:33
-	1311 974	bridgestone.as. and golf bridgestone.as. and (golf adj ball)	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO	2003/10/27 17:33 2003/10/27 17:34
- - -	1311 974 14	bridgestone.as. and golf bridgestone.as. and (golf adj ball) (bridgestone.as. and (golf adj ball)) and ((glow adj discharge) plasma)	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT	2003/10/27 17:33 2003/10/27 17:34 2003/10/27 17:35
- - - -	1311 974	bridgestone.as. and golf bridgestone.as. and (golf adj ball) (bridgestone.as. and (golf adj ball)) and ((glow adj discharge) plasma) . (bridgestone.as. and (golf adj ball)) and	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO	2003/10/27 17:33 2003/10/27 17:34
- - - -	1311 974 14	bridgestone.as. and golf bridgestone.as. and (golf adj ball) (bridgestone.as. and (golf adj ball)) and ((glow adj discharge) plasma) . (bridgestone.as. and (golf adj ball)) and (cage basket casing tumbling tumbler	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT	2003/10/27 17:33 2003/10/27 17:34 2003/10/27 17:35
-	1311 974 14 255	bridgestone.as. and golf bridgestone.as. and (golf adj ball) (bridgestone.as. and (golf adj ball)) and ((glow adj discharge) plasma) . (bridgestone.as. and (golf adj ball)) and (cage basket casing tumbling tumbler rotat\$4 revolv\$3 revolution spin\$4 drum)	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT USPAT	2003/10/27 17:33 2003/10/27 17:34 2003/10/27 17:35 2003/10/27 17:36
- - - -	1311 974 14	bridgestone.as. and golf bridgestone.as. and (golf adj ball) (bridgestone.as. and (golf adj ball)) and ((glow adj discharge) plasma) . (bridgestone.as. and (golf adj ball)) and (cage basket casing tumbling tumbler rotat\$4 revolv\$3 revolution spin\$4 drum) (barrel) and (118/723\$.ccls.	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT	2003/10/27 17:33 2003/10/27 17:34 2003/10/27 17:35
-	1311 974 14 255	bridgestone.as. and golf bridgestone.as. and (golf adj ball) (bridgestone.as. and (golf adj ball)) and ((glow adj discharge) plasma) . (bridgestone.as. and (golf adj ball)) and (cage basket casing tumbling tumbler rotat\$4 revolv\$3 revolution spin\$4 drum) (barrel) and (118/723\$.ccls. 156/345\$.ccls.)	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT USPAT	2003/10/27 17:33 2003/10/27 17:34 2003/10/27 17:35 2003/10/27 17:36 2003/10/27 18:20
-	1311 974 14 255	bridgestone.as. and golf bridgestone.as. and (golf adj ball) (bridgestone.as. and (golf adj ball)) and ((glow adj discharge) plasma) . (bridgestone.as. and (golf adj ball)) and (cage basket casing tumbling tumbler rotat\$4 revolv\$3 revolution spin\$4 drum) (barrel) and (118/723\$.ccls. 156/345\$.ccls.) (("5316739") or ("5126164") or ("4911812")	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT USPAT	2003/10/27 17:33 2003/10/27 17:34 2003/10/27 17:35 2003/10/27 17:36
-	1311 974 14 255	bridgestone.as. and golf bridgestone.as. and (golf adj ball) (bridgestone.as. and (golf adj ball)) and ((glow adj discharge) plasma) . (bridgestone.as. and (golf adj ball)) and (cage basket casing tumbling tumbler rotat\$4 revolv\$3 revolution spin\$4 drum) (barrel) and (118/723\$.ccls. 156/345\$.ccls.)	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT USPAT	2003/10/27 17:33 2003/10/27 17:34 2003/10/27 17:35 2003/10/27 17:36 2003/10/27 18:20
-	1311 974 14 255	bridgestone.as. and golf bridgestone.as. and (golf adj ball) (bridgestone.as. and (golf adj ball)) and ((glow adj discharge) plasma) . (bridgestone.as. and (golf adj ball)) and (cage basket casing tumbling tumbler rotat\$4 revolv\$3 revolution spin\$4 drum) (barrel) and (118/723\$.ccls. 156/345\$.ccls.) (("5316739") or ("5126164") or ("4911812")	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT USPAT USPAT USPAT;	2003/10/27 17:33 2003/10/27 17:34 2003/10/27 17:35 2003/10/27 17:36 2003/10/27 18:20

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1872 118/S.ccls. and spherical 2014 (118/S.ccls. and spherical) and (casing basket drum tumbling tumbler cage) (2005 ((118/S.ccls. and spherical) and (casing basket drum tumbling tumbler cage) 105PAT 2003/10/28 10:29 2005 ((118/723F).ccls.) 2005 ((128/S.ccls. and spherical) and (casing basket drum tumbling tumbler cage) 105PAT 2003/10/28 10:44 2005 ((127/S.6).CCLS.) 2005 ((127/S.6).CCLS.	i -	27	((118/716).CCLS.) and (casing basket drum	USPAT	2003/10/28 10:44
1872 118/S.ccls. and spherical 2014 (118/S.ccls. and spherical) and (casing basket drum tumbling tumbler cage) ((118/S.ccls. and spherical) and (casing basket drum tumbling tumbler cage) 105 ((118/723F).CCLS.) and (casing basket drum tumbling tumbler cage) 107 ((121/S.36).CCLS.) and (casing basket drum tumbling tumbler cage) 108 ((121/S.36).CCLS.) and (casing basket drum tumbling tumbler cage) ((427/S.36).CCLS.) and (casing basket drum tumbling tumbler cage) (185/345.44).CCLS.			tumbling tumbler cage)		
214	_	872	118/S.ccls. and spherical	HSPAT	2003/10/28 10-28
basket drum tumbling tumbler cage (118/74),ccls. and spherical and (casing basket drum tumbling tumbler cage) not ((118/716),ccls.) and (casing basket drum tumbling tumbler cage) not ((118/716),ccls.) and (casing basket drum tumbling tumbler cage) USPAT 2003/10/28 10:44 177	_				
205		214		USPAI	2003/10/20 10:29
basket drum tumbling tumbler cage) not ((118/723r).CCLS.) and (casing basket drum tumbling tumbler cage) 1054 (427/536).CCLS.) and (casing basket drum tumbling tumbler cage) 1059AT (2003/10/28 10:44 tumbling tumbler cage) 1059AT (2003/10/28 10:44 tumbling tumbler cage) 1059AT (2003/10/28 10:44 tumbling tumbler cage) 118 (156/345.0.CLS.) not ((1427/536).CCLS.) and (casing basket drum tumbling tumbler cage) 118 (156/345.44).CCLS. USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; (156/345.43).CCLS.) not USPAT; EPO; JPO USPAT; (156/345.43).CCLS.) not USPAT; EPO; JPO USPAT; (156/345.43).CCLS.) not USPAT; EPO; JPO USPAT 2003/10/28 12:32 USPAT 2003/10/28 12:32 USPAT 2003/10/28 12:32 USPAT 2003/10/28 12:32 USPAT 2003/10/28 12:33 USPAT 2003/10/28 12:33 USPAT 2003/10/28 12:33 USPAT 2003/10/28 12:33 USPAT 2003/10/28 13:24 USPAT 2003/10/28 13:25 uspat 105/44 uminium, and 118/716.ccls. USPAT 2003/10/28 13:26 with aluminum and 118/716.ccls. USPAT 2003/10/28 13:26 with aluminum and 118/716.ccls. USPAT 2003/10/28 13:26 with aluminum and 118/716.ccls. USPAT 2003/10/28 13:26 with aluminum and 118/716.ccls. USPAT 2003/10/28 13:26 with aluminum and 118/716.ccls.	İ				1
(((188/716).CCLS.) and (casing basket drum tumbling tumbler cage)	-	205	((118/\$.ccls. and spherical) and (casing	USPAT	2003/10/28 10:44
(((188/716).CCLS.) and (casing basket drum tumbling tumbler cage)			basket drum tumbling tumbler cage)) not		
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tumbling tumbler cage) ((427/536).CCLS.) not (((427/536).CCLS.) and (casing basket drum tumbling tumbler cage) 118 (156/345.44).CCLS. 161 (156/345.44).CCLS. 170 183 (156/345.43).CCLS. 184 ((156/345.43).CCLS.) 185 ((156/345.43).CCLS.) 185 ((156/345.43).CCLS.) 185 ((156/345.43).CCLS.) 186 ((156/345.43).CCLS.) 187 ((156/345.43).CCLS.) 187 ((156/345.43).CCLS.) 187 ((156/345.44).CCLS.) 188 ((156/345.43).CCLS.) 189 ((156/345.43).CCLS.) 190 ((156/345.44).CCLS.) not ((156/345.43).CCLS.)) 101 ((156/345.43).CCLS.) 102 ((156/345.43).CCLS.) 103 ((156/345.43).CCLS.) 104 ((118/723r).CCLS.) 105 ((118/723r).CCLS.) 105 ((118/723r).CCLS.) 105 ((118/723r).CCLS.) 106 ((118/723r).CCLS.) 107 ((118/723F).CCLS.) 108 ((118/723F).CCLS.) 108 ((118/723F).CCLS.) 109 ((118/723F).CCLS.) 100 ((156/345.43).CCLS.) 100	-				
323	_	47		USPAT	2003/10/28 10:44
and (casing basket drum tumbling tumbler cage)			tumbling tumbler cage)		
and (casing basket drum tumbling tumbler cage)	l –	323	((427/536),CCLS.) not (((427/536),CCLS.)	USPAT:	2003/10/28 11:20
Cage 18				1	2003, 10, 20 11.20
- 118 (156/345.44).CCLS. USPAT; EPO; JPO 161 (156/345.47).CCLS. USPAT; EPO; JPO 173 (156/345.43).CCLS. USPAT; EPO; JPO 174 (156/345.43).CCLS.) not USPAT; EPO; JPO 175 (156/345.43).CCLS.) not USPAT; EPO; JPO 176 (156/345.43).CCLS.) not USPAT; EPO; JPO 177 (156/345.43).CCLS.) not USPAT; EPO; JPO 178 (156/345.43).CCLS.) not USPAT; EPO; JPO 179 (156/345.43).CCLS.) not USPAT; EPO; JPO 170 (156/345.43).CCLS.) not USPAT; EPO; JPO 170 (156/345.43).CCLS.) not USPAT; EPO; JPO 170 (156/345.43).CCLS.) not USPAT; EPO; JPO 170 (156/345.47).CCLS.) NOT (156/44).PN. USPAT 2003/10/28 12:32 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT; EPO; JPO 170 (156/345.47).CCLS.) NOT (156/723r).CCLS.) USPAT 2003/10/28 12:38 USPAT; EPO; JPO USPAT; EP				EEO, UEO	
The content of the	:	3.50		1	
- 161 (156/345.47).CCLS. USPAT; 2003/10/28 11:15 EPO; JPO USPAT; EPO; JPO USPAT 2003/10/28 12:38 EPO; JPO USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT EPO; JPO USPAT 2003/10/28 12:38 USPAT EPO; JPO USPAT 2003/10/28 12:38 USPAT EPO; JPO USPAT 2003/10/28 12:38 EPO; JPO USPAT 2003/10/28 12:38 EPO; JPO USPAT EPO; JPO USPAT 2003/10/28 12:38 EPO; JPO USPAT 2003/10/28 13:24 USPAT EPO; JPO USPAT EPO; JPO USPAT EPO; JPO USPAT 2003/10/28 13:25 EPO; JPO USPAT EPO; JPO EPO; JPO USPAT EPO; JPO	-	TIR	(156/345.44).CCLS.		2003/10/28 11:11
- 133 (156/345.43).CCLS. EPO; JPO USPAT; EPO; JPO USPAT; (156/345.43).CCLS.) not USPAT; EPO; JPO USPAT; (156/345.44).CCLS.) not USPAT; (156/345.44).CCLS.) not USPAT; (156/345.43).CCLS.) not USPAT; (156/345.43).CCLS.) not USPAT; (156/345.43).CCLS.) not USPAT; (156/345.43).CCLS.) not (156/345.43).CCLS.) not (156/345.43).CCLS.) not (156/345.43).CCLS.) not (156/345.47).CCLS.) not (156/345.47).CCLS.) not (156/345.47).CCLS.) not (156/345.47).CCLS.) USPAT; EPO; JPO (156/345.47).CCLS.) USPAT; EPO; JPO (166/345.47).CCLS.) USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT (18/723r).CCLS. USPAT (18/723r).CCLS. USPAT (18/723r).CCLS.) USPAT (18/723r).CCLS.) USPAT (18/723r).CCLS.) USPAT (18/723r).CCLS.) USPAT (18/723r).CCLS.) USPAT (18/723r).CCLS.) USPAT; EPO; JPO USPAT (18/723r).CCLS.) USPAT; EPO; JPO USPAT (18/723r).CCLS.) USPAT (EPO; JPO	
- 133 (156/345.43).CCLS. EPO; JPO USPAT; EPO; JPO USPAT; (156/345.43).CCLS.) not USPAT; EPO; JPO USPAT; (156/345.44).CCLS.) not USPAT; (156/345.44).CCLS.) not USPAT; (156/345.43).CCLS.) not USPAT; (156/345.43).CCLS.) not USPAT; (156/345.43).CCLS.) not USPAT; (156/345.43).CCLS.) not (156/345.43).CCLS.) not (156/345.43).CCLS.) not (156/345.43).CCLS.) not (156/345.47).CCLS.) not (156/345.47).CCLS.) not (156/345.47).CCLS.) not (156/345.47).CCLS.) USPAT; EPO; JPO (156/345.47).CCLS.) USPAT; EPO; JPO (166/345.47).CCLS.) USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT (18/723r).CCLS. USPAT (18/723r).CCLS. USPAT (18/723r).CCLS.) USPAT (18/723r).CCLS.) USPAT (18/723r).CCLS.) USPAT (18/723r).CCLS.) USPAT (18/723r).CCLS.) USPAT (18/723r).CCLS.) USPAT; EPO; JPO USPAT (18/723r).CCLS.) USPAT; EPO; JPO USPAT (18/723r).CCLS.) USPAT (-	161	(156/345.47).CCLS.	USPAT:	2003/10/28 11:15
- 133 (156/345.43).CCLS. USPAT; EPO; JPO (156/345.43).CCLS.) not (156/345.43).CCLS.) not (156/345.43).CCLS.) not (156/345.43).CCLS.) not (156/345.44).CCLS.) not (156/345.44).CCLS.) not (156/345.43).CCLS.) (109 (156/345.44).CCLS.) not (156/345.43).CCLS.) (103 ((156/345.44).CCLS.) not (156/345.43).CCLS.) not (156/345.47).CCLS.) not (156/345.47).CCLS.) not (156/345.47).CCLS.) (118/723r).CCLS. USPAT; EPO; JPO (156/345.47).CCLS.) and spherical USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT (118/723r).CCLS. USPAT (118/723r).CCLS. USPAT (118/723r).CCLS. USPAT (118/723r).CCLS.) USPAT (118/723r).CCLS.) USPAT (118/723r).CCLS.) USPAT (118/723r).CCLS.) USPAT; EPO; JPO USPAT; EPO; JP					
- 146 ((156/345.47).CCLS.) not USPAT; 2003/10/28 11:18 (156/345.43).CCLS.) - 109 ((156/345.44).CCLS.) not USPAT; 2003/10/28 11:18 ((156/345.43).CCLS.) not USPAT; 2003/10/28 11:18 (156/345.43).CCLS.) not USPAT; 2003/10/28 11:18 (156/345.43).CCLS.) not USPAT; 2003/10/28 11:18 (156/345.43).CCLS.) not EPO; JPO ((156/345.43).CCLS.) not EPO; JPO ((156/345.47).CCLS.) (118/723r).CCLS.) - 662 (118/723r).CCLS. USPAT; EPO; JPO USPAT; 2003/10/28 12:32 (EPO; JPO USPAT; 2003/10/28 12:32 (EPO; JPO USPAT; 2003/10/28 12:32 (EPO; JPO USPAT; 2003/10/28 12:38 (INSPAT) (118/723r).CCLS.) USPAT (INSPAT) (118/723r).CCLS.) USPAT; 2003/10/28 12:38 (INSPAT) (118/723E).CCLS.) NOT ((118/723r).CCLS.) USPAT; 2003/10/28 12:38 (INSPAT) (_	132	/156/3/5 /3\ CCT C		2002/10/20 11-11
- 146		133	(100/040.40).0000.		2003/10/28 11:11
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- 109 ((156/345.44).CCLS.) not ((156/345.43).CCLS.) 103 ((156/345.43).CCLS.) not (156/345.43).CCLS.) not (156/345.43).CCLS.) not (156/345.43).CCLS.) 104 (156/345.43).CCLS.) 105 ((156/345.43).CCLS.) not (156/345.47).CCLS.) 106 (156/345.47).CCLS.) 107 (118/723r).CCLS. 108 (118/723r).CCLS. 108 (118/723r).CCLS.) and spherical (1897; 2003/10/28 12:32 EPO; JPO (1897; 2003/10/28 12:32 EPO; JPO (1897; 2003/10/28 12:32 EPO; JPO (1897; 2003/10/28 12:32 EPO; JPO (1897; 2003/10/28 12:38 EPO; JPO (1897; 2003/10/28 12:38 EPO; JPO (1897; 2003/10/28 12:38 EPO; JPO (1897; 2003/10/28 12:38 EPO; JPO (1897; 2003/10/28 12:38 EPO; JPO (1897; 2003/10/28 12:38 EPO; JPO (1897; 2003/10/28 12:38 EPO; JPO (1897; 2003/10/28 13:24 USPAT (1897; 2003/10/28 13:25 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1897; 2003/10/28 13:26 EPO; JPO (1	-	146		USPAT;	2003/10/28 11:18
Comparison of Comparison of			((156/345.43).CCLS.)	EPO; JPO	
- 103 (((156/345.43).CCLS.) not ((156/345.44).CCLS.) not ((156/345.44).CCLS.) not ((156/345.47).CCLS.) - 662 (118/723r).CCLS.) - 41 ((118/723r).CCLS.) and spherical USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT 2003/10/28 11:20 EPO; JPO USPAT 2003/10/28 12:32 USPAT 2003/10/28 12:32 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT; EPO; JPO USPAT 2003/10/28 12:38 USPAT; EPO; JPO USPAT 2003/10/28 12:38 USPAT; EPO; JPO USPAT 2003/10/28 12:38 USPAT; EPO; JPO USPAT 2003/10/28 12:38 EPO; JPO USPAT 2003/10/28 12:38 EPO; JPO USPAT 2003/10/28 12:38 EPO; JPO USPAT 2003/10/28 13:24 USPAT 2003/10/28 13:25 aluminum ((basket cage casing tumbler tumbling) with aluminum and 118/716.ccls 7 ((basket cage casing tumbler tumbling) USPAT 2003/10/28 13:26 with aluminum) and 118/723\$.ccls.	-	109	((156/345.44).CCLS.) not	USPAT;	2003/10/28 11:18
- 103 (((156/345.44).CCLS.)) not ((156/345.43).CCLS.)) not ((156/345.43).CCLS.)) not ((156/345.47).CCLS.) - 662 (118/723r).CCLS.) and spherical USPAT; 2003/10/28 12:32 EPO; JPO - 41 ((118/723r).CCLS.) and spherical USPAT; 2003/10/28 11:20 EPO; JPO - 3 ("3746858" "4613403" "5126164").PN. USPAT 2003/10/28 12:32 USPAT 2003/10/28 12:32 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 EPO; JPO USPAT 2003/10/28 12:38 EPO; JPO USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 13:24 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:26 With aluminum) and 118/716.ccls. - 7 ((basket cage casing tumbler tumbling) With aluminum) and 118/723\$.ccls. ((basket cage casing tumbler tumbling) With aluminum) and 118/723\$.ccls. (USPAT 2003/10/28 13:26 With aluminum) and 156/345\$.ccls.			((156/345.43).CCTs.)		
((156/345.43).CCLS.)) not ((156/345.47).CCLS.) - 662 (118/723r).CCLS. 41 ((118/723r).CCLS.) and spherical - 41 ((118/723r).CCLS.) and spherical - 3 ("3746858" "4613403" "5126164").PN. - 557 (118/723r).CCLS. - 959 (118/723r).CCLS. - 794 ((118/723E).CCLS.) NOT ((118/723r).CCLS.) - 794 ((118/723E).CCLS.) NOT ((118/723r).CCLS.) - 794 ((118/723E).CCLS.) NOT ((118/723r).CCLS.) - 794 ((108/723E).CCLS.) NOT ((118/723r).CCLS.) - 794 ((108/723E).CCLS.) NOT ((118/723r).CCLS.) - 10 ((basket cage casing tumbler tumbling) with aluminum and 118/716.ccls. - ((basket cage casing tumbler tumbling) with aluminum) and 118/716.ccls. - 10 ((basket cage casing tumbler tumbling) with aluminum) and 118/723F.ccls. - 10 ((basket cage casing tumbler tumbling) with aluminum) and 156/345\$.ccls.	_	103			2002/10/20 11.10
- 662 (118/723r).CCLS.) - 41 ((118/723r).CCLS.) and spherical		103			2003/10/26 11:16
- 662 (118/723r).CCLS. 41 ((118/723r).CCLS.) and spherical USPAT; EPO; JPO USPAT; EPO; JPO USPAT 2003/10/28 11:20 - 3 ("3746858" "4613403" "5126164").PN. USPAT 2003/10/28 12:32 - 557 (118/723r).CCLS 959 (118/723E).CCLS.) NOT ((118/723r).CCLS.) USPAT 2003/10/28 12:38 - 794 ((118/723E).CCLS.) NOT ((118/723r).CCLS.) USPAT 2003/10/28 12:38 - 794 ((118/723E).CCLS.) NOT ((118/723r).CCLS.) USPAT; EPO; JPO USPAT 2003/10/28 12:38 - 794 ((118/723E).CCLS.) NOT ((118/723r).CCLS.) USPAT 2003/10/28 12:38 - 10 ((basket cage casing tumbler tumbling) with aluminum and 118/716.ccls 10 ((basket cage casing tumbler tumbling) USPAT 2003/10/28 13:26 - 10 ((basket cage casing tumbler tumbling) With aluminum) and 118/723\$.ccls 10 ((basket cage casing tumbler tumbling) With aluminum) and 118/723\$.ccls.				EPO; JPO	
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- 41 ((118/723r).CCLS.) and spherical USPAT; EPO; JPO USPAT 2003/10/28 11:20 - 3 ("3746858" "4613403" "5126164").PN. USPAT 2003/10/28 12:32 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT 2003/10/28 12:38 EPO; JPO USPAT 2003/10/28 13:24 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:26 USPAT 2003/10/28 13:26 USPAT 2003/10/28 13:26 With aluminum) and 118/716.ccls. ((basket cage casing tumbler tumbling) With aluminum) and 118/723\$.ccls.	-	662	(118/723r).CCLS.	USPAT;	2003/10/28 12:32
- 41 ((118/723r).CCLS.) and spherical USPAT; EPO; JPO USPAT 2003/10/28 11:20 - 3 ("3746858" "4613403" "5126164").PN. USPAT 2003/10/28 12:32 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT 2003/10/28 12:38 USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT 2003/10/28 12:38 EPO; JPO USPAT 2003/10/28 13:24 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:25 USPAT 2003/10/28 13:26 USPAT 2003/10/28 13:26 USPAT 2003/10/28 13:26 With aluminum) and 118/716.ccls. ((basket cage casing tumbler tumbling) With aluminum) and 118/723\$.ccls.				EPO; JPO	
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- 557 (118/723r).CCLS. 959 (118/723E).CCLS. 794 ((118/723E).CCLS.) NOT ((118/723r).CCLS.) 959 (118/723E).CCLS.) NOT ((118/723r).CCLS.) 959 ((118/723E).CCLS.) 95	_	2	/#2746050# 1 #4612402# 1 #5126164#\ 797		2002/10/00 10 20
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- 794 ((118/723E).CCLS.) NOT ((118/723r).CCLS.) USPAT; EPO; JPO USPAT (118/723E).CCLS.) NOT ((118/723r).CCLS.) USPAT (2003/10/28 13:24 USPAT (2003/10/28 13:25 USPAT (2003/10/28 13:25 USPAT (2003/10/28 13:25 USPAT (2003/10/28 13:25 USPAT (2003/10/28 13:25 USPAT (2003/10/28 13:25 USPAT (2003/10/28 13:27 USPAT (2003/10/28 13:27 USPAT (2003/10/28 13:26 USPAT (2003/10/	-				
- 794 ((118/723E).CCLS.) NOT ((118/723r).CCLS.) USPAT 2003/10/28 13:24 (basket cage casing tumbler tumbling) with aluminum ((basket cage casing tumbler tumbling) with aluminum) and 118/716.ccls 7 ((basket cage casing tumbler tumbling) with aluminum) and 118/723\$.ccls 10 ((basket cage casing tumbler tumbling) with aluminum) and 156/345\$.ccls.	-			USPAT	2003/10/28 12:38
- 794 ((118/723E).CCLS.) NOT ((118/723r).CCLS.) USPAT 2003/10/28 13:24 (basket cage casing tumbler tumbling) with aluminum ((basket cage casing tumbler tumbling) with aluminum) and 118/716.ccls 7 ((basket cage casing tumbler tumbling) with aluminum) and 118/723\$.ccls 10 ((basket cage casing tumbler tumbling) with aluminum) and 156/345\$.ccls.	-	794	((118/723E).CCLS.) NOT ((118/723r).CCLS.)	USPAT;	2003/10/28 12:38
- 794 ((118/723E).CCLS.) NOT ((118/723r).CCLS.) USPAT 2003/10/28 13:24 (basket cage casing tumbler tumbling) with aluminum ((basket cage casing tumbler tumbling) uspat 2003/10/28 13:25 (basket cage casing tumbler tumbling) uspat 2003/10/28 13:27 (basket cage casing tumbler tumbling) uspat 2003/10/28 13:27 (basket cage casing tumbler tumbling) uspat 2003/10/28 13:26 (basket cage casing tumbler tumbling) uspat 2003/10/28 13:26 (basket cage casing tumbler tumbling) uspat 2003/10/28 13:26 with aluminum) and 156/345\$.ccls.					
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with aluminum) and 118/716.ccls. ((basket cage casing tumbler tumbling) with aluminum) and 118/723\$.ccls. ((basket cage casing tumbler tumbling) USPAT 2003/10/28 13:26 ((basket cage casing tumbler tumbling) with aluminum) and 156/345\$.ccls.					
- 7 ((basket cage casing tumbler tumbling) USPAT 2003/10/28 13:26 with aluminum) and 118/723\$.ccls 10 ((basket cage casing tumbler tumbling) USPAT 2003/10/28 13:26 with aluminum) and 156/345\$.ccls.	-	1		USPAT	2003/10/28 13:27
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- 10 ((basket cage casing tumbler tumbling) USPAT 2003/10/28 13:26 with aluminum) and 156/345\$.ccls.					
with aluminum) and 156/345\$.ccls.	l _	10		HCDNM	2002/10/20 12:20
		10		USPAT	2003/10/28 13:26
- 32 aluminum and 118/716.ccls. USPAT 2003/10/28 14:55					l
	-	32	aluminum and 118/716.ccls.	USPAT	2003/10/28 14:55